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(54) Title: **DIAGNOSTICS AND THERAPEUTICS FOR DISEASES ASSOCIATED WITH ARGINYL AMINOPEPTIDASE RNPEP (RNPEP)**

(57) Abstract: The invention provides a human RNPEP which is associated with the cardiovascular diseases, cancer, dermatological diseases, hematological diseases, neurological diseases, urological diseases, respiratory diseases,. The invention also provides assays for the identification of compounds useful in the treatment or prevention of cardiovascular diseases, cancer, dermatological diseases, hematological diseases, neurological diseases, urological diseases, respiratory diseases,. The invention also features compounds which bind to and/or activate or inhibit the activity of RNPEP as well as pharmaceutical compositions comprising such compounds.